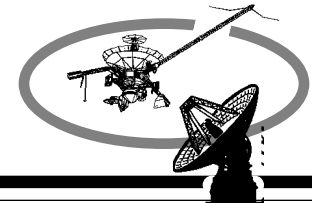


Standards and Protocol Development



• Overall Objectives

- Provide management and leadership for NASA participation in the International Consultative Committee for Space Data Systems (CCSDS)
- Develop and test effective protocols for digital ground and spacecraft subsystem communications.

• Goals and Products

- CCSDS Recommendation Books

cover end-to-end space data communications, from error correction codes to high-level internet protocols.

- Support protocol development and test

current thrust: Extend the Internet into space

Space Communications Protocol Standards (SCPS)

Joint NASA/DOD/NSA project to develop internet protocols to work in space with noisy links and long propagation delays

Protocol-X

progressively reliable store-and-forward file transfer system for multiple, non-duplex or long delay communication links, such as between the earth and interplanetary orbiters and landers.

Standards Committees

